

IN THE CLAIMS

Please delete all prior lists of claims in the application and insert the following list of claims.

1. (CURRENTLY AMENDED) An apparatus for producing a composite plank comprising:
 - a) an extruder;
 - b) a plurality of dies after the extruder, wherein the dies comprise an adapter die, a transition die, a stranding die, a molding die and a setting die;
 - c) a cylinder after the extruder, wherein the cylinder is mounted after the adapter die and before the transition die, the cylinder including an orifice for injecting a gas into a material, wherein the cylinder is pressurized and contains a plurality of pins located in the center of the orifice and between two channels so that material extruded therein is uniformly injected with gas to cause it to foam before moving into a die;
 - d) a lubricating assembly to shape and form a composite plank from the material;
 - e) a cooling tank after the ~~device~~ (lubricating assembly);
 - f) a conveyor having opposing belts for pulling the plank through the cooling tank;
 - g) a saw connected to the conveyor; and
 - h) a stacking table adjacent the saw.
2. (CANCELED)
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11. (ORIGINAL) The apparatus of claim 1, further comprising at least one of: a gas generator, a pressure booster, and a temperature controller connected to the cylinder.

12. (CANCELED)

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14. (ORIGINAL) The apparatus of claim 1, further comprising a tempering block connected to the assembly so that the extruded material can continue to expand to a preferred size in a controlled environment before being heated or cooled.

15. (CURRENTLY AMENDED) A system for making a wood and plastic composite comprising:

a) a hopper for receiving wood and plastic material;

b) ~~a device~~ an extruder for mixing the material;

c) ~~at least one die~~ a plurality of dies after the extruder for shaping the material after exiting the ~~mixing device~~ extruder, wherein the dies comprise an adapter die, a transition die, a stranding die, a molding die and a setting die;

d) a pressurized container ~~outside of the device~~ after the extruder for injecting gas into the material to create a foam-like plank, the pressurized container comprising a cylinder, wherein the cylinder is mounted after the adapter die and before the transition die, the cylinder including an orifice for injecting a gas into a material, wherein the cylinder is pressurized and contains a plurality of pins located in the center of the orifice and between two channels so that material extruded therein is uniformly injected with gas to cause it to foam before moving into a die;

e) a calibrator for shaping the plank through heating and cooling;

f) a tank for further cooling the plank; and

g) a conveyor for carrying the plank through the tank.

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24. (CURRENTLY AMENDED) The system of claim 15 further comprising: at least one of a temperature controller and a lubricator connected to the calibrator; at least one of a gas generator, a pressure booster, and a temperature controller connected to the container; and a tempering block connected to the calibrator so that the extruded material can continue to expand to a preferred size in a controlled environment before being heated or cooled.

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